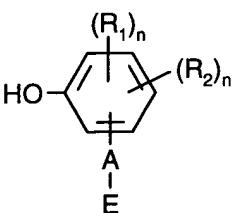


IN THE CLAIMS

Kindly amend the claims to read as follows.

1. (currently amended): A process for stabilising and at the same time phase compatibilising plastic compositions comprising at least two different polymers by incorporating polymeric compounds obtainable obtained by reacting a compound selected from the group consisting of the sterically hindered phenols which contain at least one reactive group, with the compatibiliser compound which is a polymer containing acid groups, acid anhydride groups, ester groups, epoxy groups or alcohol groups or which compatibiliser compound is a copolymer or terpolymer of ethylene, propylene, vinyl acetate or styrene with acrylic acid.

2. (original): A process according to claim 1, wherein the sterically hindered phenols are compounds

of formula I  (I), wherein

R₁ and **R₂** are each independently of the other hydrogen, C₁-C₂₅alkyl, phenyl-C₁-C₃alkyl which is unsubstituted or substituted once or several times at the aromatic ring by OH or/and C₁-C₄alkyl, unsubstituted or C₁-C₄alkyl-substituted C₅-C₁₂cycloalkyl, or phenyl;

n is 1, 2 or 3;

E is OH, SH, NHR₃, SO₃H, COOH, -CH=CH₂, -(CH₂)_m—CH(O)CH₂ or —P(OH)₂—R₄;

m is 0 or 1;

R₃ is hydrogen or C₁-C₉alkyl;

R₄ is C₁-C₁₂alkyl, or phenyl which is unsubstituted or substituted by one or several C₁-C₄alkyl, halogen or/and C₁-C₁₈alkoxy;

A if E is OH, SH or -CH=CH₂, is -C_xH_{2x}-, -CH₂-S-CH₂CH₂-, -C_qH_{2q}-(CO)-O-C_pH_{2p}-, -C_qH_{2q}-(CO)-NH-C_pH_{2p}- or -C_qH_{2q}-(CO)-O-C_pH_{2p}-S-C_qH_{2q}-,

x is a number from 0 to 8;

p is a number from 2 to 8;

q is a number from 0 to 3;

R₁ and **n** are as defined above; or

A if E is -NHR₃, is -C_xH_{2x}- or -C_qH_{2q}-(CO)-NH-C_pH_{2p}- , wherein x, p and q have the meanings cited above; or

A if E is COOH or SO₃H, is -C_xH_{2x}-, -CH₂-S-CH₂- or -CH₂-S-CH₂CH₂- , wherein x has the meaning cited above; or

A if E is $-\text{CH}_2-\text{CH}(\text{O})-\text{CH}_2-$, is a direct bond, -C_qH_{2q}-(CO)_m-O-CH₂- or -C_xH_{2x}-S-CH₂- , wherein q, m, x, R₁ and R₂ are as defined above;

A if E is $\text{P}(\text{R}_4)_2\text{OH}$, is -CH₂- .

3-8. (cancelled).

9. (currently amended): A process according to claim 1, wherein the compatibiliser compound is a polymer with acrylic acid (AA) function, Glycidyl methacrylate (GMA) function, methacrylic acid (MAA) function, maleic anhydride (MAH) function or vinyl alcohol (VA) function wherein the formed polymer has unreacted acid, glycidyl, anhydride or alcohol functionality.

10. (currently amended): A process according to claim 1, wherein the compatibiliser compound is a copolymer which is of ethylene acrylic acid (PE-AA),
ethylene glycidyl methacrylate (PE-GMA),
ethylene methacrylic acid (PE-MAA) or
ethylene maleic anhydride (PE-MAH) or
a terpolymer of ethylene and vinyl acetate with acrylic acid or
a terpolymer of ethylene and acrylatesacrylate with acrylic acid.

11. (previously presented): A process according to claim 1, wherein the compatibiliser compound is a grafted polyethylene or polypropylene copolymer selected from the group consisting of maleic anhydride grafted to polyethylene vinyl acetate (MAH-g-PE-vinyl acetate), maleic anhydride grafted to low density polyethylene (MAH-g-LDPE), maleic anhydride grafted to high density polyethylene (MAH-

g-HDPE), maleic anhydride grafted to linear low density polyethylene (MAH-g-LLDPE), acrylic acid grafted to polypropylene (AA-g-PP), glycidyl methacrylate grafted to polypropylene (GMA-g-PP), maleic anhydride grafted to polypropylene (MAH-g-PP), maleic anhydride grafted to ethylene/propylene terpolymer (MAH-g-EPDM), maleic anhydride grafted to ethylene/propylene rubber (MAH-g-EPM) and maleic anhydride grafted to polyethylene/polypropylene copolymer (MAH-g-PE/PP).

12. (previously presented): A process according to claim 81, wherein the compatibiliser compound is a grafted styrene co- or terpolymer selected from the group consisting of styrene/acrylonitrile grafted with maleic anhydride (SAN-g-MAH), styrene/maleic anhydride/methyl methacrylate, styrene/butadiene/styrene block copolymer grafted with maleic anhydride (SBS-g-MAH), styrene/ethylene/propylene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH), styrene/ethylene/butadiene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH) and acrylic acid/polyethylene/polystyrene terpolymer (AA-PE-PS-terpolymer).

13. (previously presented): A process according to claim 81, wherein the compatibiliser compound is a vinyl alcohol copolymer.

14. (cancelled).

15. (original): A process according to claim 1, wherein the polymers to be stabilised are recycled material.

16-17. (cancelled).